

REMARKS

In view of the above amendments and following remarks, Applicant requests favorable reconsideration of the above-identified application.

Claims 32-47 are now pending in this application, with Claims 32, 46 and 47 being independent. By this Amendment, Applicant has cancelled Claims 17-31 and added new Claims 32-47. No new matter has been added.

Claims 17-24 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Publication No. 2003/0169520 (Goldstein).

Claims 25 and 26 stand rejected under 35 U.S.C. § 103 as being unpatentable over Goldstein in view of U.S. Patent No. 6,118,527 (Jurca) and U.S. Patent Application Publication No. 2002/0089652 (Lim). Claim 27 stands rejected under 35 U.S.C. § 103 as being unpatentable over Goldstein in view of U.S. Patent No. 4,844,603 (Eitel, et al.). Claim 28 stands rejected under 35 U.S.C. § 103 as being unpatentable over Goldstein in view of U.S. Patent Application Publication No. 2001/0048514 (Taniguchi). Claims 29-31 stand rejected under 35 U.S.C. § 103 as being unpatentable over Goldstein in view of U.S. Patent Publication No. 2002/0027644 (Bisschops).

These rejections are rendered moot by the cancellation of those claims.

New independent Claim 32 recites an apparatus having a mirror, a heat-radiation member and a temperature control member. The mirror has a reflection surface which reflects incident light. The heat-radiation member is arranged at a light incidence side of the mirror and is spaced away from the reflection surface, while being arranged outside a light path of the incident light and light reflected from the mirror.

New independent Claims 46 and 47 recite similar features.

According to the present invention, by virtue of the above-discussed feature of Claims 32, 46 and 47, the temperature of the reflection surface can be efficiently controlled and, therefore, the reflectance property can be kept at high-accuracy.

Goldstein merely teaches arranging the temperature adjusting element 225 (suggested to be the heat-radiation member of claim 1) at a rear side of the mirror, which is opposite to the optical/reflection surface 210. Thus, the physical arrangement described in Goldstein with respect to heat radiation is opposite to that recited in Claim 32.

Also, the other references, Jurca, Lim, Eitel, Taniguchi and Bisschops do not remedy the deficiencies of Goldstein.

Specifically, Jurca is merely cited in the Office Action as describing a thermometer that measures the temperature of a coolant. Lim is cited in the Office Action as describing controlling light exposure based on temperature information. Eitel is cited in the Office Action as describing the arrangement of a solid heat-transfer element and circulator, in connection with a heat-radiation plate. Taniguchi is cited in the Office Action as describing a particular arrangement of a mirror barrel. Furthermore, Bisschops is merely cited as describing a lithography process.

Accordingly, none of the cited reference teach or suggest the above characteristics of the present invention.

For the foregoing reasons, Applicant respectfully submits that the present invention is patentably defined by independent Claims 32, 46 and 47. Dependent Claims 33-45 are also allowable, in their own right, for defining features of the present invention in addition to those recited in independent Claim 32. Individual consideration of the dependent claims is requested.

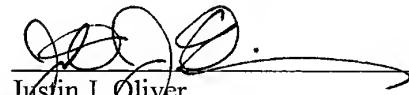
This Amendment After Final Rejection is an earnest attempt to advance prosecution and is believed to clearly place this application in condition for allowance. At the very least, the changes presented herein reduce the number of issues on appeal. Therefore, Applicant requests entry of this Amendment under 37 C.F.R. § 1.116.

An Information Disclosure Statement is being filed concurrently with the present Amendment After Final Rejection.

Applicant submits that the present application is in condition for allowance. Favorable reconsideration, withdrawal of the objections and rejections set forth in the above-noted Office Action, and an early Notice of Allowability are requested.

Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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